

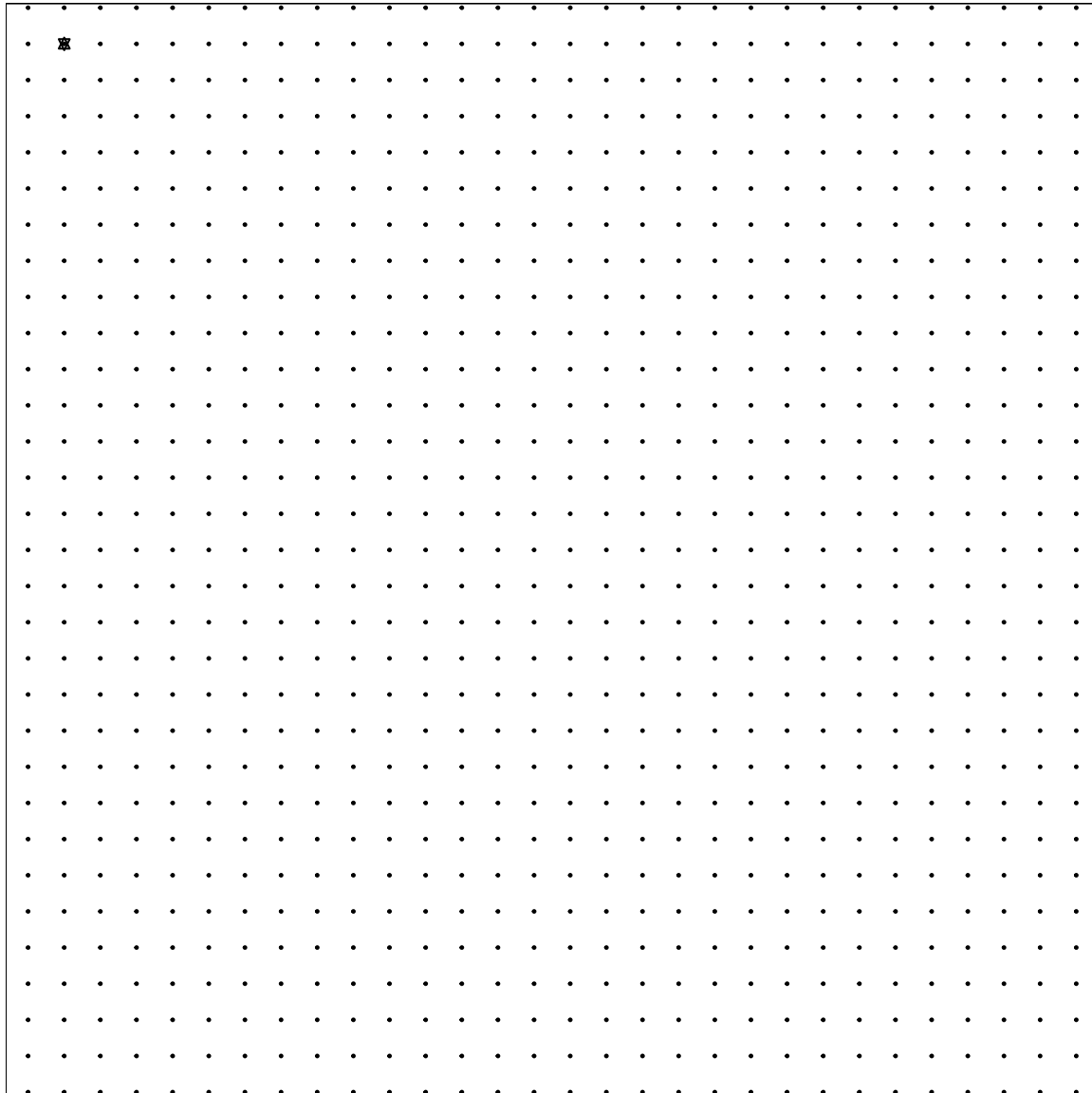
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Grid Countdown Spirals

Follow the teacher! Use a ruler!

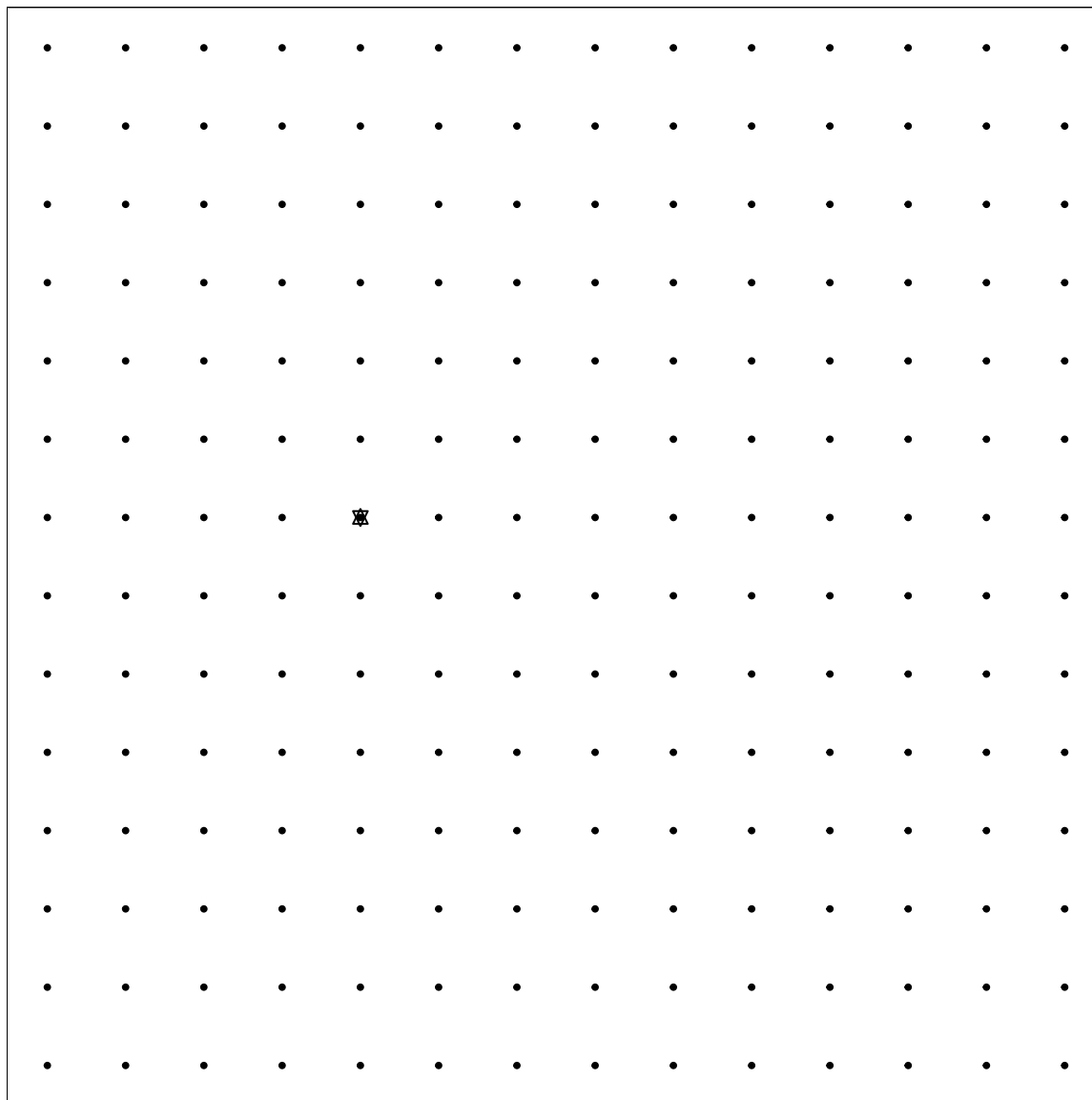
1. Start at the star.
2. Go down 4 units.
3. Go right 3 units.
4. Go up 2 units.
5. Go left 1 unit.
6. Repeat steps 2 through 5... Notice a  $90^\circ$  turn counterclockwise after each segment.



- Describe the result:

This time, count down from 5.

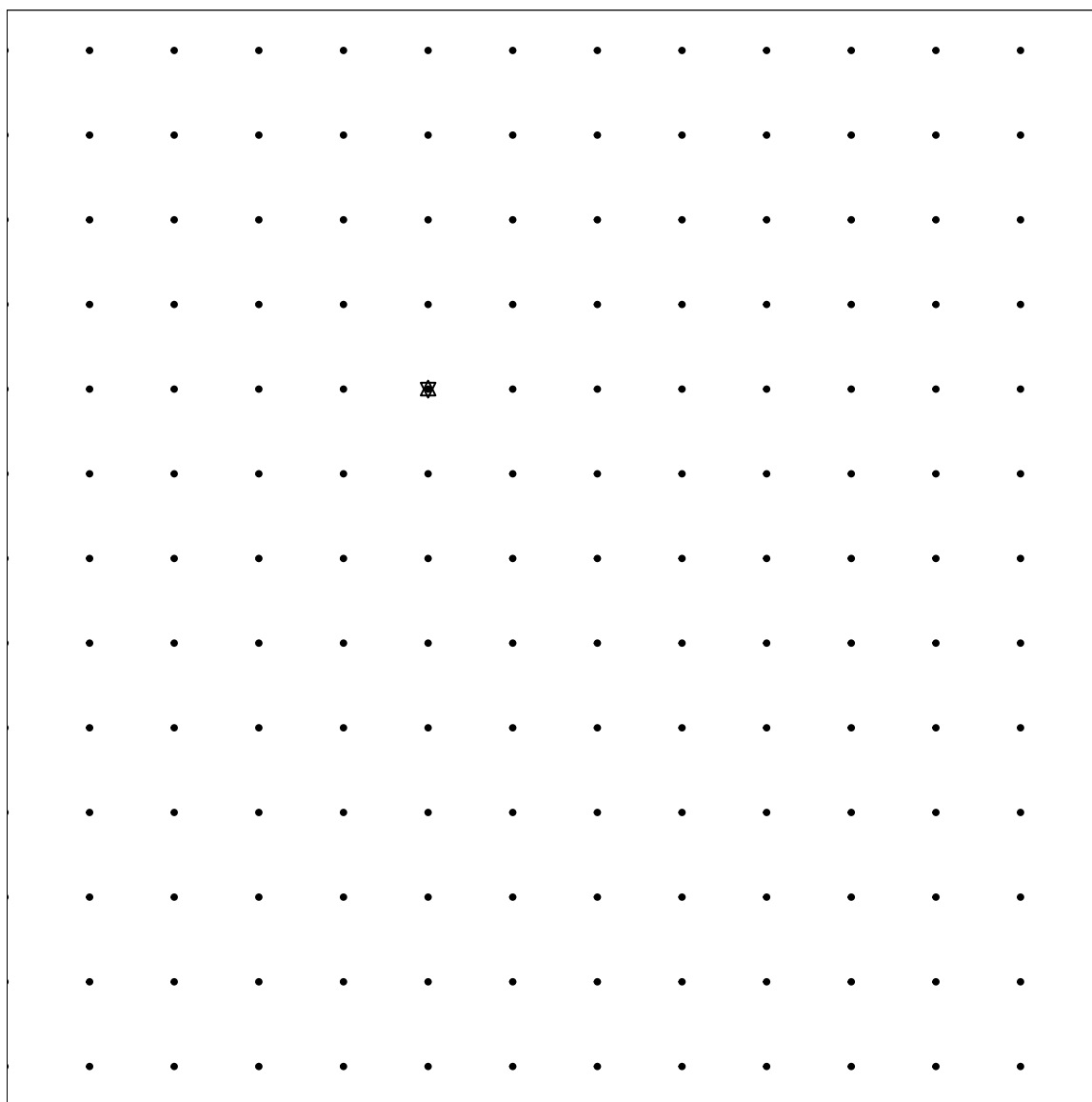
1. Start at the star, heading down.
2. Move 5 and then turn  $90^\circ$  counterclockwise.
3. Move 4 and then turn  $90^\circ$  counterclockwise.
4. Move 3 and then turn  $90^\circ$  counterclockwise.
5. Move 2 and then turn  $90^\circ$  counterclockwise.
6. Move 1 and then turn  $90^\circ$  counterclockwise.
7. Repeat steps 2 through 6.



- Describe the result:

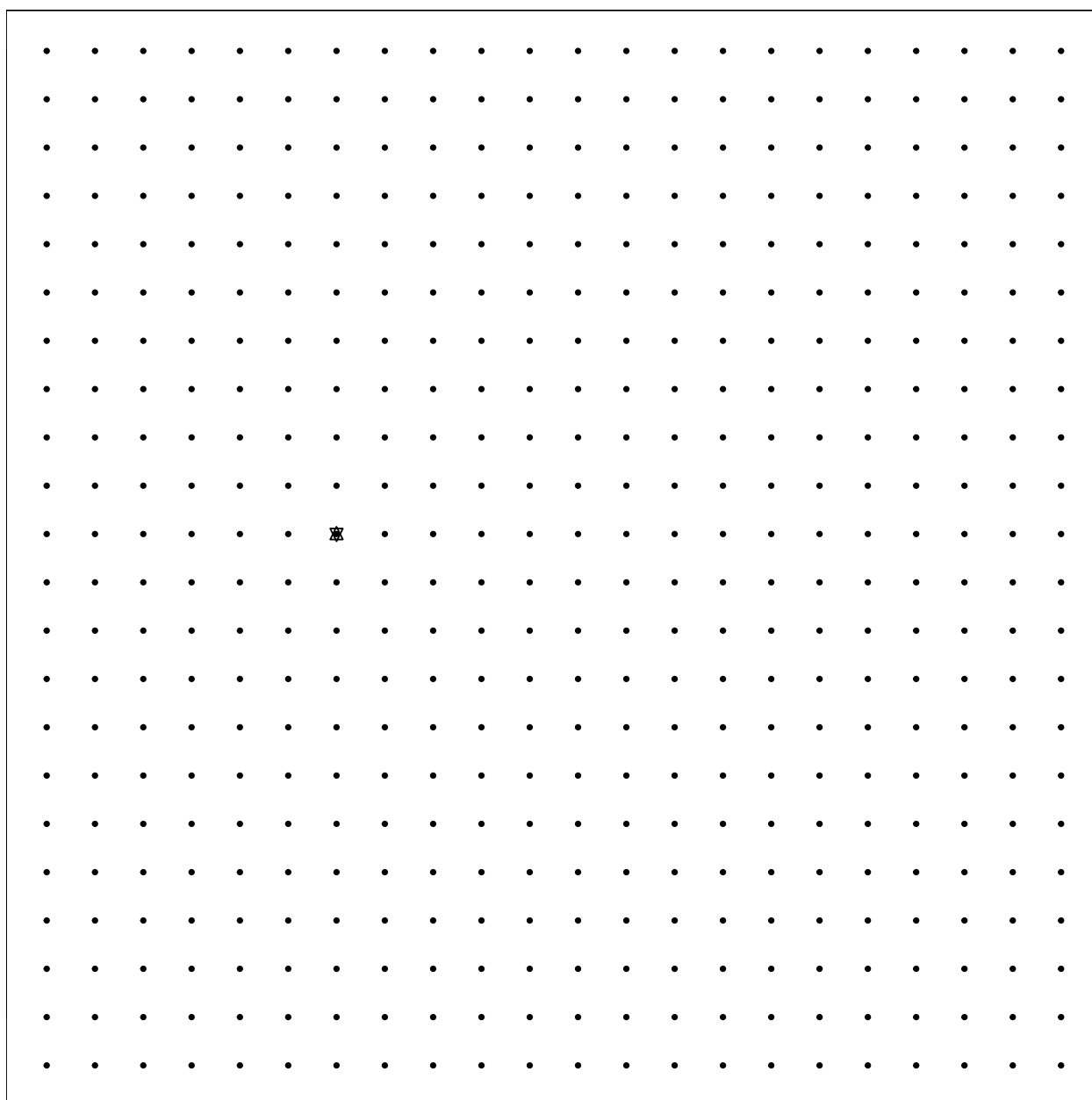
This time, count down from 6.

1. Start at the star, heading down.
2. Move 6 and then turn  $90^\circ$  counterclockwise.
3. Move 5 and then turn  $90^\circ$  counterclockwise.
4. Move 4 and then turn  $90^\circ$  counterclockwise.
5. Move 3 and then turn  $90^\circ$  counterclockwise.
6. Move 2 and then turn  $90^\circ$  counterclockwise.
7. Move 1 and then turn  $90^\circ$  counterclockwise.
8. Repeat steps 2 through 7.



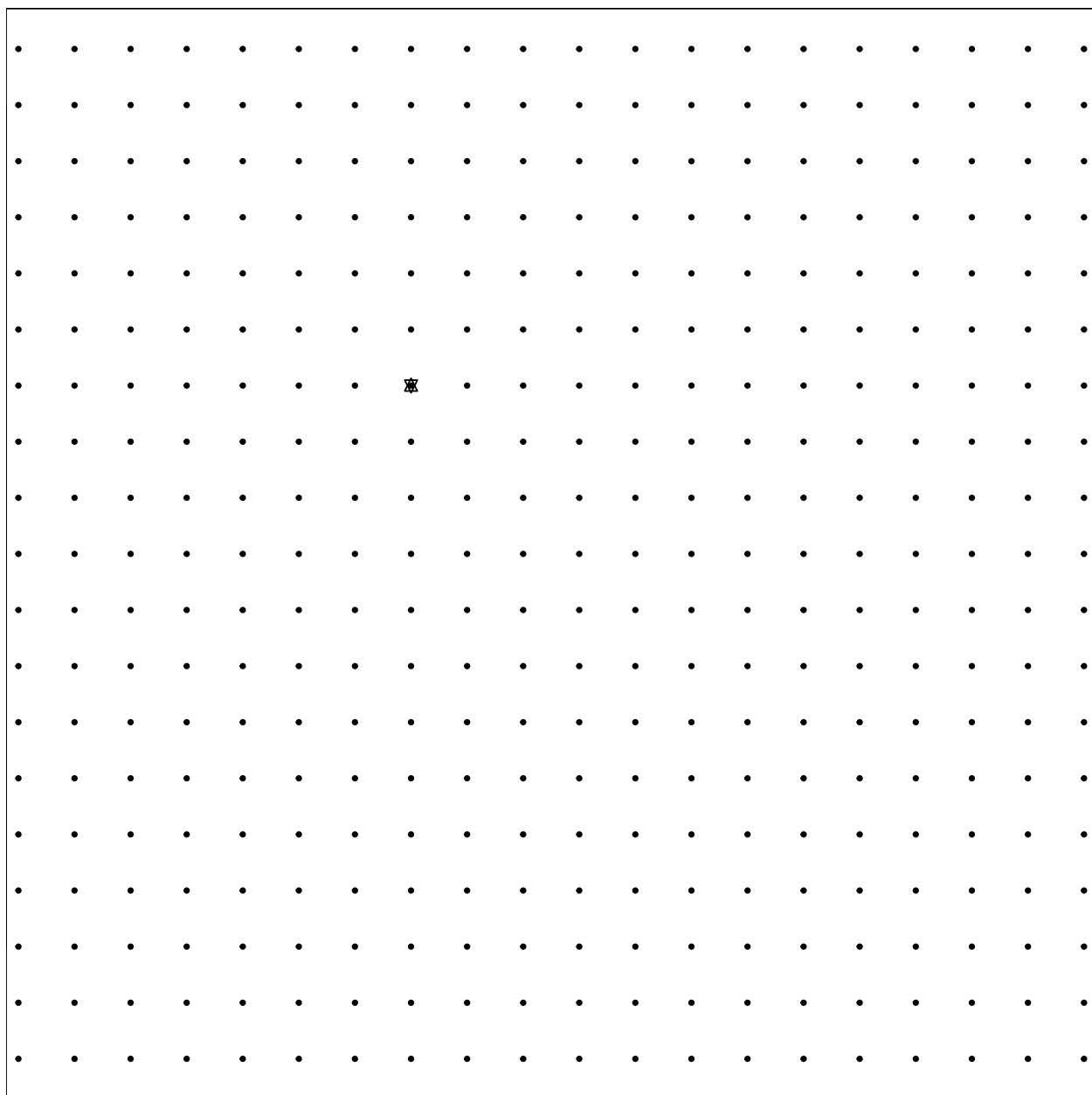
- Describe the result:

This time, count down from 9. (And still start at star heading down.)



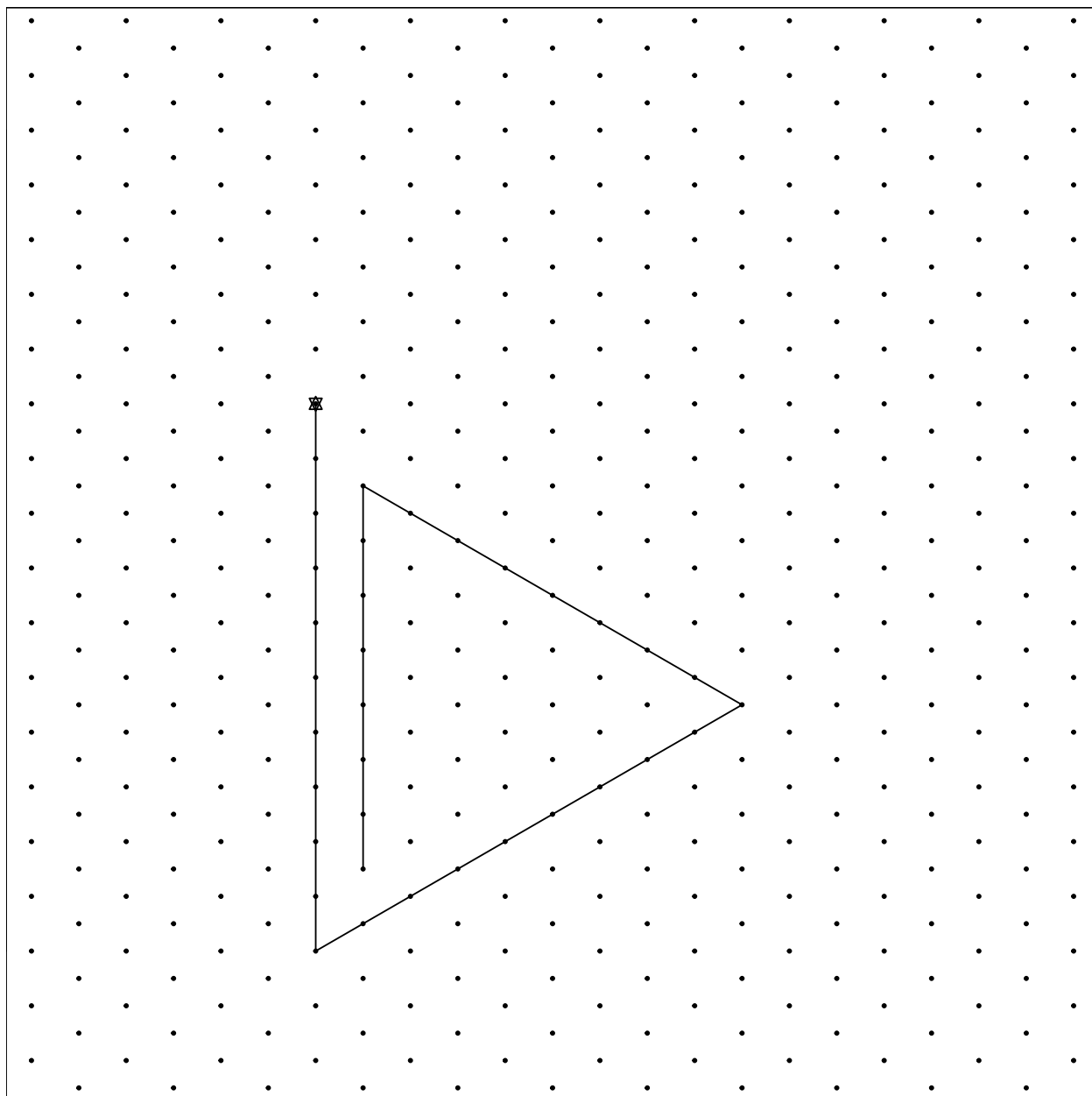
- Describe the result:

This time, count down from 10. (And still start at star heading down.)



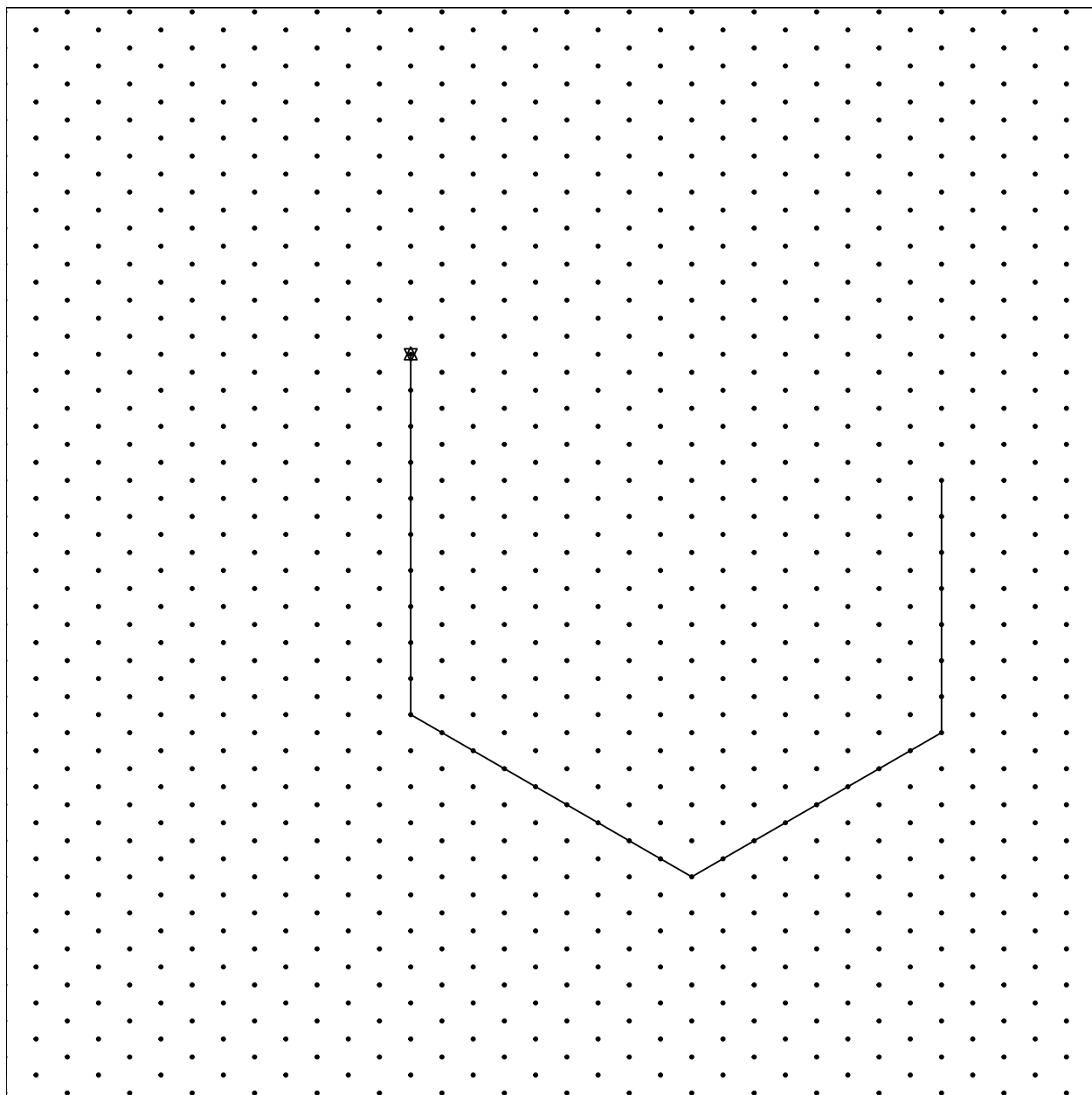
- Describe the result:

This time, turn  $120^\circ$  counterclockwise after each segment. And count down from 10. (And still start at star heading down.) This time I've started the pattern for you.



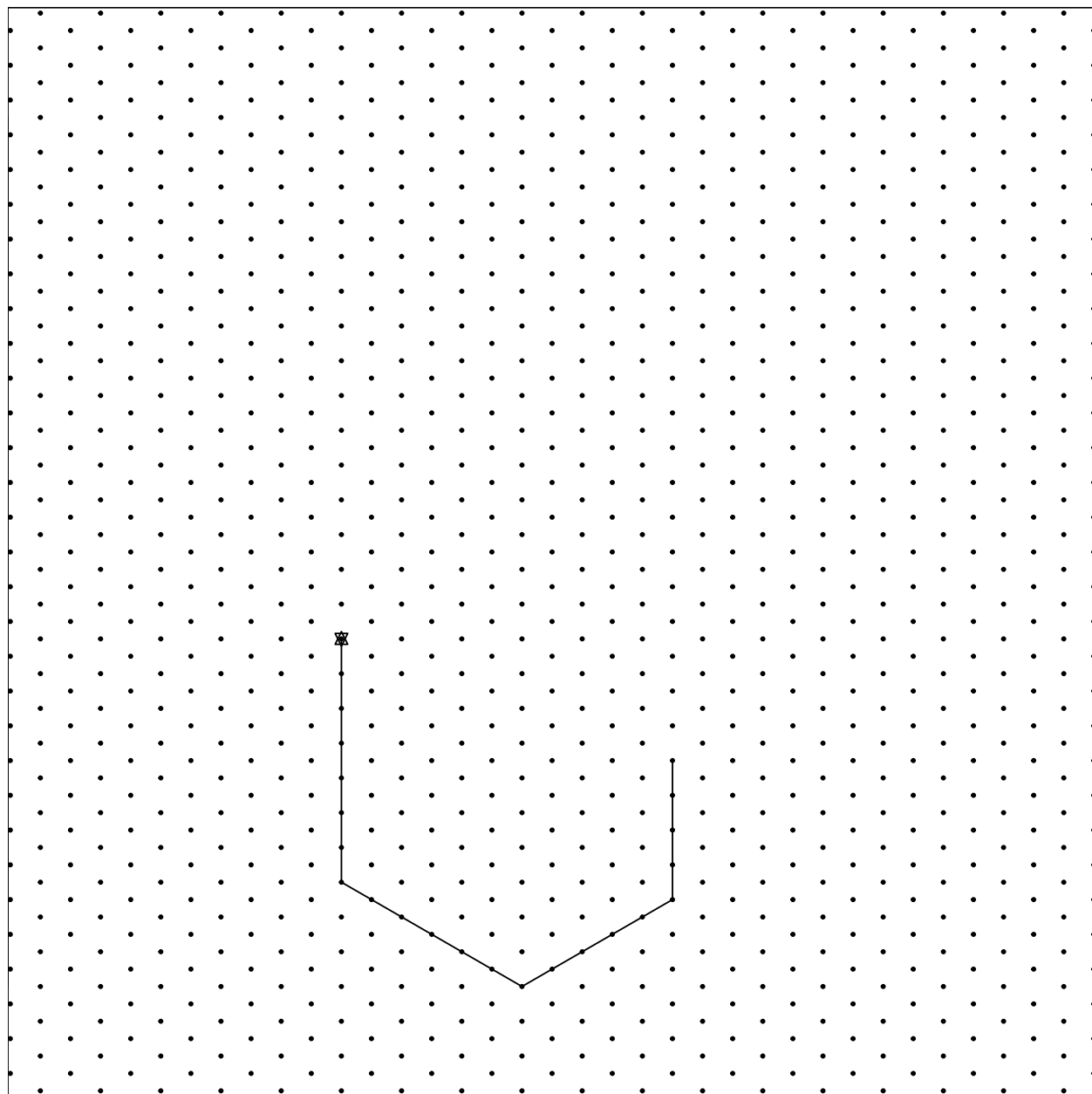
- Describe the result:

This time, turn  $60^\circ$  counterclockwise after each segment. And count down from 10. (And still start at star heading down.) This time I've started the pattern for you.



- Describe the result:

This time, turn  $60^\circ$  counterclockwise after each segment. And count down from 9. (And still start at star heading down.) This time I've started the pattern for you.



- Describe the result: